

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected. *Mur*

Application Serial Number: 10/579,988  
Source: IFWP  
Date Processed by STIC: 6/1/06

# **ENTERED**

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IFWP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/579,988

DATE: 06/01/2006

TIME: 14:22:48

Input Set : A:\252024 sequence.txt  
 Output Set: N:\CRF4\06012006\J579988.raw

3 <110> APPLICANT: LEONARD, Warren J.  
 4 LIPSKY, Peter  
 5 MORSE, Herbert C.  
 6 ETTINGER, Catherine Rachel  
 7 SPOLSKI, Rosanne  
 9 <120> TITLE OF INVENTION: METHOD OF INDUCING MEMORY B CELL DEVELOPMENT AND TERMINAL  
 10 DIFFERENTIATION  
 12 <130> FILE REFERENCE: 252024  
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/579,988  
 C--> 14 <141> CURRENT FILING DATE: 2006-05-19  
 14 <150> PRIOR APPLICATION NUMBER: PCT/US04/39135  
 15 <151> PRIOR FILING DATE: 2004-11-18  
 17 <150> PRIOR APPLICATION NUMBER: 60/523,754  
 18 <151> PRIOR FILING DATE: 2003-11-19  
 20 <160> NUMBER OF SEQ ID NOS: 16  
 22 <170> SOFTWARE: PatentIn version 3.3  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 160  
 26 <212> TYPE: PRT  
 27 <213> ORGANISM: Homo sapiens  
 29 <400> SEQUENCE: 1  
 31 Met Arg Ser Ser Pro Gly Asn Met Glu Arg Ile Val Ile Cys Leu Met  
 32 1 5 10 15  
 35 Val Ile Phe Leu Gly Thr Leu Val His Lys Ser Ser Ser Gln Gly Gln  
 36 20 25 30  
 39 Asp Arg His Met Ile Arg Met Arg Gln Leu Ile Asp Ile Val Asp Gln  
 40 35 40 45  
 43 Leu Lys Asn Tyr Val Asn Asp Leu Val Pro Glu Phe Leu Pro Ala Pro  
 44 50 55 60  
 47 Glu Asp Val Glu Thr Asn Cys Glu Trp Ser Ala Phe Ser Cys Phe Gln  
 48 65 70 75 80  
 51 Lys Ala Gln Leu Lys Ser Ala Asn Thr Gly Asn Asn Glu Arg Ile Ile  
 52 85 90 95  
 55 Asn Val Ser Ile Lys Lys Leu Lys Arg Lys Pro Pro Ser Thr Asn Ala  
 56 100 105 110  
 59 Gly Arg Arg Gln Lys His Arg Leu Thr Cys Pro Ser Cys Asp Ser Tyr  
 60 115 120 125  
 63 Glu Lys Lys Pro Pro Lys Glu Phe Leu Glu Arg Phe Lys Ser Leu Leu  
 64 130 135 140  
 67 Gln Lys Met Ile His Gln His Leu Ser Ser Arg Thr His Gly Ser Glu  
 68 145 150 155 160  
 71 <210> SEQ ID NO: 2  
 72 <211> LENGTH: 146

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73 <212> TYPE: PRT  
74 <213> ORGANISM: Mus musculus  
76 <400> SEQUENCE: 2  
78 Met Glu Arg Thr Leu Val Cys Leu Val Val Ile Phe Leu Gly Thr Val  
79 1 5 10 15  
82 Ala His Lys Ser Ser Pro Gln Gly Pro Asp Arg Leu Leu Ile Arg Leu  
83 20 25 30  
86 Arg His Leu Ile Asp Ile Val Glu Gln Leu Lys Ile Tyr Glu Asn Asp  
87 35 40 45  
90 Leu Asp Pro Glu Leu Leu Ser Ala Pro Gln Asp Val Lys Gly His Cys  
91 50 55 60  
94 Glu His Ala Ala Phe Ala Cys Phe Gln Lys Ala Lys Leu Lys Pro Ser  
95 65 70 75 80  
98 Asn Pro Gly Asn Asn Lys Thr Phe Ile Ile Asp Leu Val Ala Gln Leu  
99 85 90 95  
102 Arg Arg Arg Leu Pro Ala Arg Arg Gly Gly Lys Lys Gln Lys His Ile  
103 100 105 110  
106 Ala Lys Cys Pro Ser Cys Asp Ser Tyr Glu Lys Arg Thr Pro Lys Glu  
107 115 120 125  
110 Phe Leu Glu Arg Leu Lys Trp Leu Leu Gln Lys Met Ile His Gln His  
111 130 135 140  
114 Leu Ser  
115 145  
118 <210> SEQ ID NO: 3  
119 <211> LENGTH: 30  
120 <212> TYPE: DNA  
121 <213> ORGANISM: Artificial  
123 <220> FEATURE:  
124 <223> OTHER INFORMATION: oligonucleotide probe/primer  
126 <400> SEQUENCE: 3  
127 cagtccacag taaggaagtg aaattaattt 30  
130 <210> SEQ ID NO: 4  
131 <211> LENGTH: 20  
132 <212> TYPE: DNA  
133 <213> ORGANISM: Artificial  
135 <220> FEATURE:  
136 <223> OTHER INFORMATION: oligonucleotide probe/primer  
138 <400> SEQUENCE: 4  
139 gaaaattcct agaaaagcata 20  
142 <210> SEQ ID NO: 5  
143 <211> LENGTH: 22  
144 <212> TYPE: DNA  
145 <213> ORGANISM: Artificial  
147 <220> FEATURE:  
148 <223> OTHER INFORMATION: oligonucleotide probe/primer  
150 <400> SEQUENCE: 5  
151 acagaggccg agtttgaaga ga 22  
154 <210> SEQ ID NO: 6  
155 <211> LENGTH: 19

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Input Set : A:\252024 sequence.txt  
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156 <212> TYPE: DNA  
 157 <213> ORGANISM: Artificial  
 159 <220> FEATURE:  
 160 <223> OTHER INFORMATION: oligonucleotide probe/primer  
 162 <400> SEQUENCE: 6  
 163 aaggatgcct cggcttcaa 19  
 166 <210> SEQ ID NO: 7  
 167 <211> LENGTH: 19  
 168 <212> TYPE: DNA  
 169 <213> ORGANISM: Artificial  
 171 <220> FEATURE:  
 172 <223> OTHER INFORMATION: oligonucleotide probe/primer  
 174 <400> SEQUENCE: 7  
 175 ccctgggatt cccgcgtg 19  
 178 <210> SEQ ID NO: 8  
 179 <211> LENGTH: 21  
 180 <212> TYPE: DNA  
 181 <213> ORGANISM: Artificial  
 183 <220> FEATURE:  
 184 <223> OTHER INFORMATION: oligonucleotide probe/primer  
 186 <400> SEQUENCE: 8  
 187 aaacgcaaga gggatgaagg t 21  
 190 <210> SEQ ID NO: 9  
 191 <211> LENGTH: 19  
 192 <212> TYPE: DNA  
 193 <213> ORGANISM: Artificial  
 195 <220> FEATURE:  
 196 <223> OTHER INFORMATION: oligonucleotide probe/primer  
 198 <400> SEQUENCE: 9  
 199 aacaggtctc cccgcatact 19  
 202 <210> SEQ ID NO: 10  
 203 <211> LENGTH: 21  
 204 <212> TYPE: DNA  
 205 <213> ORGANISM: Artificial  
 207 <220> FEATURE:  
 208 <223> OTHER INFORMATION: oligonucleotide probe/primer  
 210 <400> SEQUENCE: 10  
 211 cacttccggg cggggacttc c 21  
 214 <210> SEQ ID NO: 11  
 215 <211> LENGTH: 26  
 216 <212> TYPE: DNA  
 217 <213> ORGANISM: Artificial  
 219 <220> FEATURE:  
 220 <223> OTHER INFORMATION: oligonucleotide probe/primer  
 222 <400> SEQUENCE: 11  
 223 tcagaggatt cggattctag ctgtga 26  
 226 <210> SEQ ID NO: 12  
 227 <211> LENGTH: 18  
 228 <212> TYPE: DNA

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Input Set : A:\252024 sequence.txt  
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229 <213> ORGANISM: Artificial  
 231 <220> FEATURE:  
 232 <223> OTHER INFORMATION: oligonucleotide probe/primer  
 234 <400> SEQUENCE: 12  
 235 tgacgcgtgt gccttgg 18  
 238 <210> SEQ ID NO: 13  
 239 <211> LENGTH: 27  
 240 <212> TYPE: DNA  
 241 <213> ORGANISM: Artificial  
 243 <220> FEATURE:  
 244 <223> OTHER INFORMATION: oligonucleotide probe/primer  
 246 <400> SEQUENCE: 13  
 247 tgcaacgaat gtgactggcg tttctct 27  
 250 <210> SEQ ID NO: 14  
 251 <211> LENGTH: 20  
 252 <212> TYPE: DNA  
 253 <213> ORGANISM: Artificial  
 255 <220> FEATURE:  
 256 <223> OTHER INFORMATION: oligonucleotide probe/primer  
 258 <400> SEQUENCE: 14  
 259 ttcaccacca tggagaaggc 20  
 262 <210> SEQ ID NO: 15  
 263 <211> LENGTH: 20  
 264 <212> TYPE: DNA  
 265 <213> ORGANISM: Artificial  
 267 <220> FEATURE:  
 268 <223> OTHER INFORMATION: oligonucleotide probe/primer  
 270 <400> SEQUENCE: 15  
 271 ggcatggact gtgggtcatga 20  
 274 <210> SEQ ID NO: 16  
 275 <211> LENGTH: 26  
 276 <212> TYPE: DNA  
 277 <213> ORGANISM: Artificial  
 279 <220> FEATURE:  
 280 <223> OTHER INFORMATION: oligonucleotide probe/primer  
 282 <400> SEQUENCE: 16  
 283 tgcatcctgc accaccaact gcttag 26

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/01/2006  
PATENT APPLICATION: US/10/579,988 TIME: 14:22:49

Input Set : A:\252024\_sequence.txt  
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### Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8,9,10,11,12,13,14,15,16

**VERIFICATION SUMMARY****PATENT APPLICATION: US/10/579,988****DATE: 06/01/2006****TIME: 14:22:49****Input Set : A:\252024 sequence.txt****Output Set: N:\CRF4\06012006\J579988.raw**

L:14 M:270 C: Current Application Number differs, Replaced Current Application No  
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date